

Dear Parents,

Over the next several weeks, we will be learning about **fractions** in math! The information below will help you to support your child as they learn these exciting, yet important third grade math skills.

The GOAL:

By the end of the unit, your child should be able to **demonstrate an understanding of fractions as numbers.**

Represent Fractions

Help your child Represent Fractions:

Represent fractions by showing how much is shaded.

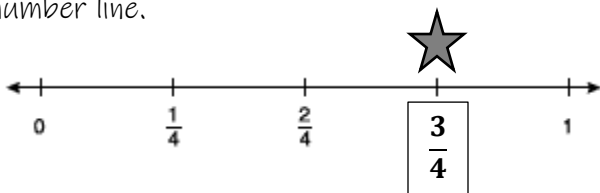


2 of the 3 sections are shaded, so $\frac{2}{3}$ of the rectangle is shaded.

Fractions on a Number Line

Help your child Identify Fractions on a Number Line:

The number line below is separated into fourths (quarters). The star is located at $\frac{3}{4}$ on the number line.

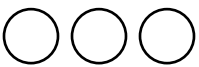


Equivalent Fractions

Help your child create Equivalent Fractions:



3 of the 6 circles are shaded.



You can write this as a fraction as $\frac{3}{6}$.

Equivalent fractions for $\frac{3}{6}$ are $\frac{1}{2}$, $\frac{6}{12}$, or $\frac{12}{24}$.

(Multiply the **numerator** and **denominator** by the same number.)

Simplify Fractions

Help your child Simplify Fractions:

$$\frac{2}{8} \text{ is equal to } \frac{1}{4}$$

(Divide the **numerator** and **denominator** by the same number: 2.)

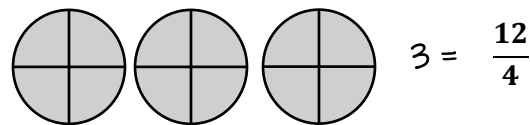
$$\frac{9}{15} \text{ is equal to } \frac{3}{5}$$

(Divide the **numerator** and **denominator** by the same number: 3.)

Whole Numbers as Fractions

Help your child Relate Whole Numbers and Fractions:

Each circle is 1 whole. The fraction below is used to represent the parts that are shaded.



Compare Fractions

Help your child Compare Fractions:

$$\frac{2}{5} < \frac{3}{5} \implies \left(\frac{2}{5} \text{ is LESS THAN } \frac{3}{5} \right)$$

$$\frac{6}{7} > \frac{4}{7} \implies \left(\frac{6}{7} \text{ is GREATER THAN } \frac{4}{7} \right)$$

$$\frac{8}{10} = \frac{8}{10} \implies \left(\frac{8}{10} \text{ is EQUAL TO } \frac{8}{10} \right)$$

Central Dauphin School District
Grade 3 Math: Unit 3 Parent Letter
Fractions



Grade 3 Math: PA Core Math Standards in Unit 3

CC.2.1.3.C.1: Explore and develop an understanding of fractions as numbers.

-- HOW YOU CAN HELP AT HOME --

- Allow your child to help measure ingredients when cooking or baking
- Cut food, Play-Doh, paper, etc., at home in equal parts
- Compare different sized Legos & use fractions to describe them
- Use dominos as fractions to compare
- Draw reference to fractions when cutting pie, pizza, sandwiches, candy bars, etc.

-- KEY MATH VOCABULARY --

Equivalent: Having the same value.

Fraction: A number that names part of a whole or part of a group.

Numerator: Tells how many fractional parts in a whole or group that have been counted. (It is the top number in a fraction.)

Denominator: Tell show many total fractional parts there are in a whole group. (It is the bottom number in a fraction.)